

CLAIMS

What is claimed is:

1. A mechanism for automatic synchronization of scripting variables between a page

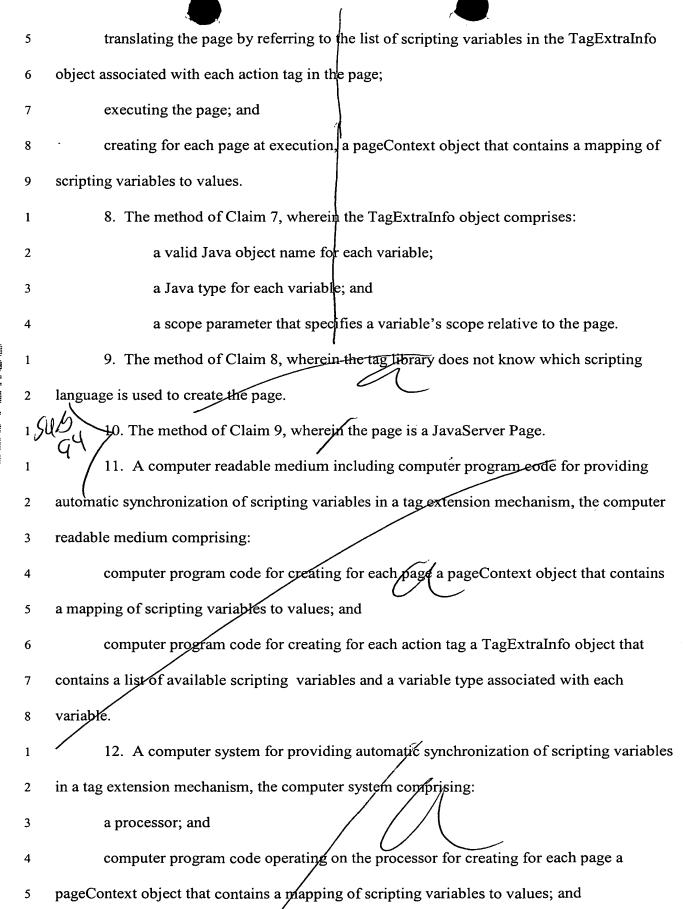
- containing action tags, and a tag library, the mechanism comprising:
- a pageContext object for each page, the pageContext object containing a mapping of
- 4 scripting variables to values; and
- a TagExtraInfo object for each action tag, the TagExtraInfo object containing a
- 6 method that returns a list of available scripting variables and a variable type associated with
- 7 each variable.

2. The mechanism of Claim 1, wherein when the page is translated, a translator

2 consults the TagExtraInfo object to obtain the list of available scripting variables.

SW) (12/3. The mechanism of Claim 2, wherein the pageContext object is created when the

- 2 page is executed (run-time).
 - 4. The mechanism of Claim 3, wherein the TagExtraInfo object comprises:
- a valid Java object name for each variable;
- a Java type for each yariable; and
- a scope parameter that specifies a variable's scope relative to the page.
- 5. The mechanism of Claim 4, wherein the tag library does not know which scripting
- 2 language is used to create the page.
- 1549756. The mechanism of Claim 5, wherein the page is a JavaServer Page.
- 1 (7. A method for automatically synghronizing scripting variables between a page and a
- 2 tag library, the method comprising:
- creating for each action tag a TagExtraInfo object that contains a list of available
- 4 scripting variables and a variable type associated with each variable;







- 6 computer program code for creating for each-action tag a TagExtraInfo object that
- 7 contains a list of available-scripting variables and a variable type associated with each

8 variable.

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